

**ABSTRACT****Projection lens fixation and adjustment mechanism**

5           A system and method for fixing a projection lens 102 and adjusting the  
position of a projection lens 102 is provided, which is compact and has a high  
precision. The projection lens 102 is positioned on a base plate 104. The  
position of the projection lens can be adjusted by providing possibilities for  
horizontal and vertical shift in a plane perpendicular to the optical axis of the  
10 projection lens 102. This is performed by actuating three points of the base  
plate 104. Furthermore, by providing further shifting means at the three points  
of the base plate 104, tilting of the projection lens can be performed, thus  
providing Scheimpflug correction. In this way, motion of the projection lens in  
five degrees of freedom is provided by actuating three points at a base plate  
15 104 whereon a projection lens 102 can be easily mounted and removed.

+ Fig. 1